

**Notice of Allowability**

Application No.

10/607,567

Examiner

Srirama Channavajjala

Applicant(s)

DINH ET AL.

Art Unit

2166

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 3/27/07.
2. ☒ The allowed claim(s) is/are 1,2,4,6,7,9,11-13,15-17,19 and 20.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some\* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |  |   |
|--|---|
| 1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)                                | 5. <input type="checkbox"/> Notice of Informal Patent Application   |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                       | 6. <input checked="" type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date <u>4/12/2007</u> . |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08),<br>Paper No./Mail Date _____    | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment   |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance                          |
|  | 9. <input type="checkbox"/> Other _____.  |

***DETAILED ACTION***

1. Claims 1-2,4,6-7,9,11-13,15-17,19-20 are allowed
2. Examiner acknowledges applicant's "Appeal Brief" filed on 3/27/2007 in response to the "notice of non-complaint Appeal Brief" mailed on 1/23/2007.
3. Claims 3,8 have been cancelled [4/20/2006].
4. Claims 1,4,7,9-12,14,16-19 have been amended [4/20/2006].

***Drawings***

5. The Drawings filed on 6/26/2003 are acceptable for examination purpose.

***Information Disclosure Statement***

6. The information disclosure statement filed on 6/23/2003 is in compliance with the provisions of 37 CFR 1.97, and has been considered and a copy is enclosed with this Office Action.

***Claim Rejections - 35 USC § 112***

7. In view of applicant's amendment to Claim 4,6,9,11,14,16,18 the rejected under 35 U.S.C. 112, second paragraph, as set forth in the previous office action is hereby withdrawn.

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**Interview:**

8. Applicant's Attorney Owen J. Gamon Regd. No. 36,143 is thanked for the telephone interview on 12 April 2007. During that telephone interview Owen J. Gamon granted authorization to ***amend claims: 1,6-7,11-12,16-17,19***, canceling ***claims: 5,10,14,18***

**EXAMINER'S AMENDMENT**

9. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Applicant's Attorney Owen J. Gamon Regd. No. 36,143 on 12 April 2007.

***The application has been amended as follows:***

**In the Claims:**

1. (Currently amended) A method for replicating blob data comprising:

determining that the blob data in a source field is associated with a first coded character set identifier;

determining a second coded character set identifier for a target field; and

replicating the blob data from the source field to the target field based on the first coded character set identifier and the second coded character set identifier, wherein the replicating further comprises converting the blob data from the first coded character set identifier to the second coded character set identifier, wherein the first coded character set identifier specifies a first character set, a first code page, and a first encoding scheme, wherein the second coded character set identifier specifies a second character set, a second code page, and a second encoding scheme, and wherein the first code page comprises a group of specifications of code points for each character in the first character set, and stored in a data repository.

2.(Original) The method of claim 1, wherein the target field has an associated type of character.

3. (Canceled)

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4. (Previously presented) The method of claim 1, wherein the character set is double byte character set.

5. (Canceled)

6. (Currently amended) The method of claim ~~5~~ 1, ~~wherein~~, wherein the second encoding scheme is Universal Character Set Transformation-8.

7. (Currently amended) A signal-bearing medium encoded with instructions, wherein the instructions when executed by a processor comprise:

determining that blob data in a source field is associated with a first coded character set identifier;

determining a second coded character set identifier for a target field, wherein the target field has an associated type of character; and

replicating the blob data from the source field to the target field based on the first coded character set identifier and the second coded character set identifier, wherein the replicating further comprises converting the blob data from the first coded character set identifier to the second coded character set identifier, wherein the first coded character set identifier specifies a first character set, a first code page, and a first encoding scheme, wherein the second coded character set identifier specifies a second character set, a second code page, and a second encoding scheme, and wherein the first code

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page comprises a group of specifications of code points for each character in the first character set, and stored in a data repository.

8. (Canceled)

9. (Previously presented) The signal-bearing medium of claim 7, wherein the character set is double byte character set.

10. (Canceled)

11. (Currently amended) The signal-bearing medium of claim ~~10~~ 7, ~~wherein~~, wherein the second encoding scheme is Universal Character Set Transformation-8.

12. (Currently amended) A signal-bearing medium encoded with a data structure, wherein the data structure comprises:

- a source field including a data type; and

- an attribute for the data type, wherein a replication controller is to

- determine whether data associated with the data type is blob,

- determine a source coded character set identifier associated with the data type, wherein the source coded character set identifier specifies a source character set, a source code page, and a source encoding scheme, wherein the source character set is double byte character set, and wherein the source code

page comprises a group of specifications of code points for each character in the source character set, and

replicate the data to a target field based on the source coded character set identifier and a target coded character set identifier, and convert the blob data from the source coded character set identifier to the target coded character set identifier, and stored in a data repository.

13. (Original) The signal-bearing medium of claim 12, wherein the target field has an associated type of character.

14.(Canceled)

15.(Original) The signal-bearing medium of claim 12 wherein the target coded character set identifier specifies a target character set, a target code page, and a target encoding scheme.

16. (Currently amended) The signal-bearing medium of claim 15, ~~wherein~~, wherein the target encoding scheme is Universal Character Set Transformation-8.

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17. (Currently amended) An electronic device that replicates blob data, wherein the electronic device comprises:~~comprising:~~

a processor; and

a storage device encoded with instructions that when executed on the processor  
comprise:

determining that the blob data in a source field is associated with a source coded character set identifier, wherein the source coded character set identifier specifies a source character set, a source code page, and a source encoding scheme, wherein the source character set is double byte character set, and wherein the source code page comprises a group of specifications of code points for each character in the source character set,

determining a target coded character set identifier for a target field, wherein the target field has an associated type of character, and wherein the target coded character set identifier specifies a target character set, a target code page, and a target encoding scheme, and

replicating the blob data from the source field to the target field based on the source coded character set identifier and the target coded character set identifier, wherein the replicating further comprises converting the blob data from the source coded character set identifier to the target coded character set identifier, and stored in a data repository.

18. (Canceled)



19. (Currently amended) The electronic device of claim 17, ~~wherein~~, wherein the source encoding scheme is Universal Character Set Transformation-8.

20. (Original) The electronic device of claim 17, wherein the source field is in a source relational database and the target field is in a target relational database.

*Pursuant to MPEP 606.01 the Title is changed to read*

***--REPLICATING THE BLOB DATA FROM THE SOURCE FIELD TO THE  
TARGET FIELD BASED ON THE SOURCE CODED CHARACTER SET IDENTIFIER  
AND THE TARGET CODED CHARACTER SET IDENTIFIER,WHEREIN THE  
REPLICATING FURTHER COMPRISES CONVERTING THE BLOB DATA FROM THE  
SOURCE CODED CHARACTER SET IDENTIFIER TO THE TARGET CODED  
CHARACTER SET IDENTIFIER--***

***Reasons for allowance***

The examiner submits that claims 1-2,4,6-7,9,11-13,15-17,19-20 are allowable in view of the Examiner' amendment to the claims 1,7,12,17, applicant's arguments at page 15-18 in Appeal Brief filed on 3/27/2007, and in light of the prior art made of record.

The newly cited reference WO 2005/083594 published on 9 September 2005 issued to Ashwin,Shrinivas et al. is directed to system and method for a large object infrastructure in a database system, more specifically, utilization of BLOB handles which are an internal representation of a large value, blob handles are immutable and stateless references to large data. The structure of a blob handles contains enough information to return an llockBytes interface in order to provide access to the corresponding large data block and a blob handles can also return information regarding its own lifetime description [page 3, 0006, Abstract, fig 3].

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Srirama Channavajjala whose telephone number is 571-272-4108. The examiner can normally be reached on Monday-Friday from 8:00 AM to 5:30 PM Eastern Time.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Alam, Hosain, T, can be reached on (571) 272-3978. The fax phone numbers for the organization where the application or proceeding is assigned is 571-273-8300. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free)

SC  
*Patent Examiner.*  
April 13, 2007.

  
SRIRAMA CHANNAVAJJALA  
PRIMARY EXAMINER